

Geographic Spread



South Carolina reported **regional activity** this week. This is the **first** week at regional activity.

Influenza Activity



Overall, there was an **increase** in influenza activity this week.

Regional Influenza Activity



No change



No change



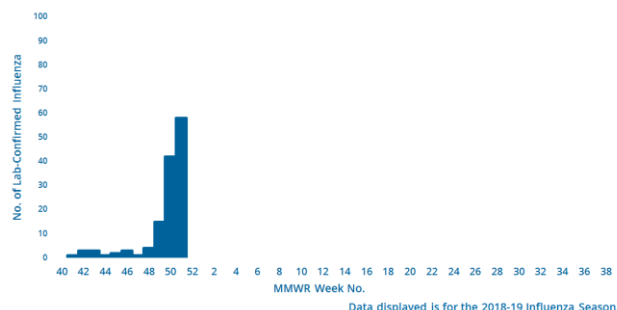
Increase



Increase

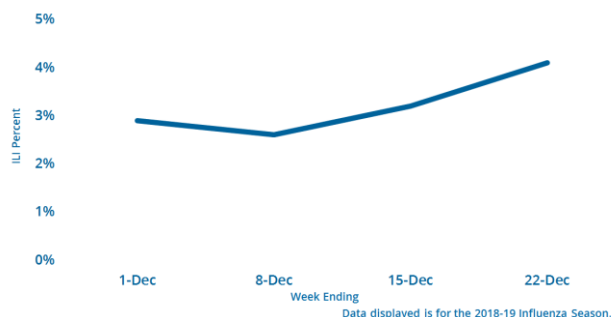
Virologic Surveillance

This week there were **58** lab-confirmed tests reported. Influenza A was most frequently reported. In the current flu season, there has been **136** lab-confirmed tests reported.



Influenza-Like Illness Surveillance

The percent of patient visits to sentinel providers for an influenza-like illness (ILI) was **4.14%**, which is **above** South Carolina's baseline (**3.53%**). The ILI activity level overall was **high**.



Influenza-Associated Hospitalizations

This week **43** influenza-associated hospitalizations were reported by **35** hospitals. The cumulative hospitalization rate is **4.5 per 100,000**. In the current flu season, there have been **227** influenza-associated hospitalizations.

Influenza-Associated Deaths

This week **0** influenza-associated deaths were reported. The cumulative mortality rate is **0.2 per 100,000**. In the current flu season, there have been **11** influenza-associated deaths.

For a description of South Carolina's influenza surveillance components and definitions go to:

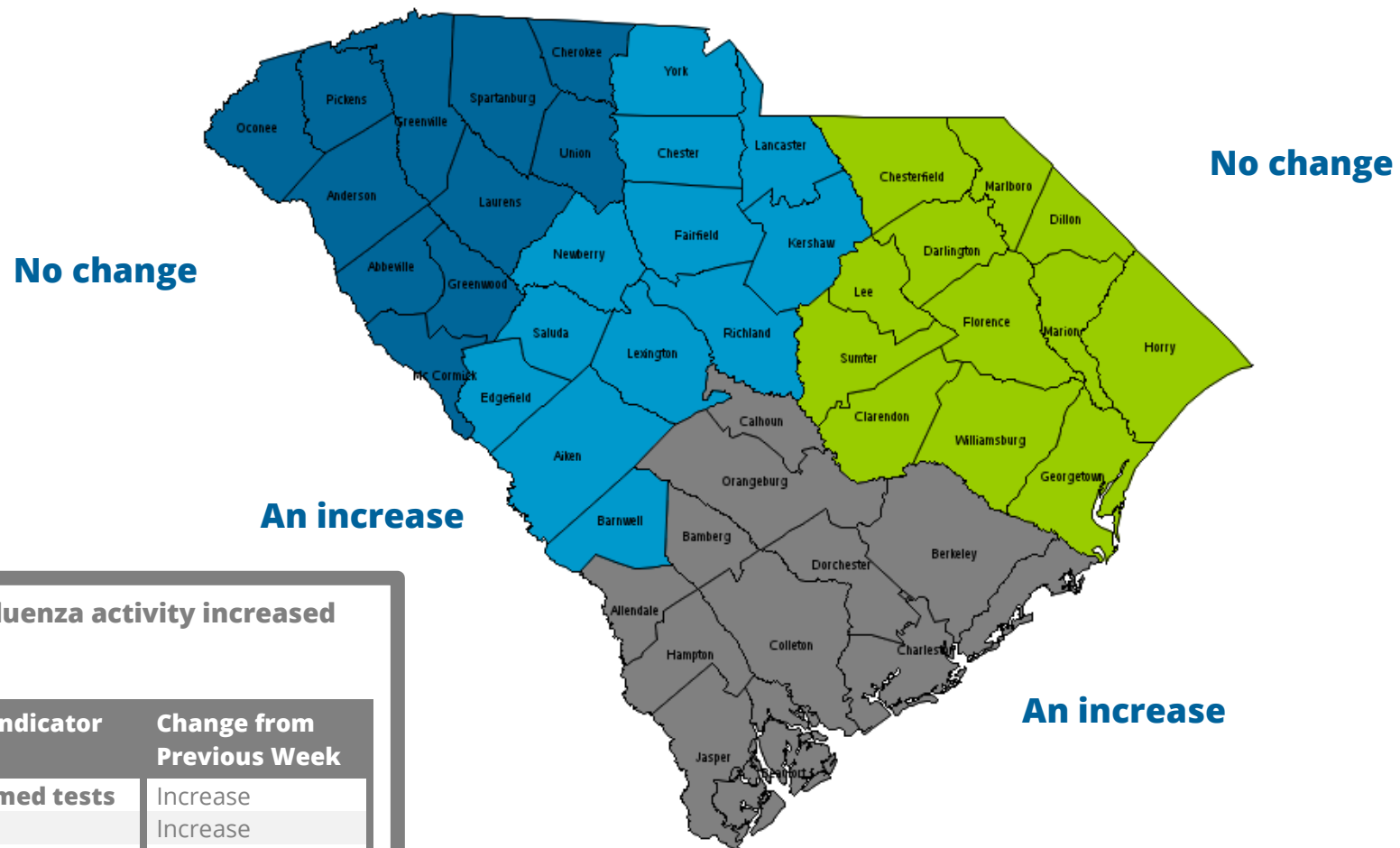
<http://www.scdhec.gov/Health/DiseasesandConditions/InfectiousDiseases/Flu/FluData/>

For national surveillance, please visit:

<https://www.cdc.gov/flu/weekly/>

Influenza Activity*

In the 4 Public Health Regions, activity showed...



Overall influenza activity increased statewide.

Influenza Indicator	Change from Previous Week
Lab-confirmed tests	Increase
ILI Percent	Increase
Hospitalizations	No change

*Indicators for assessing influenza activity include: lab-confirmed tests, ILI percent, and hospitalizations.

Virologic Surveillance

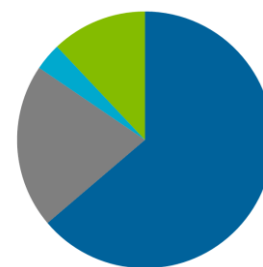
Influenza Type	Season Totals To Date				
	This Week	2018-19	2017-18	2016-17	5 season average
No. (%)					
Overall	58	136	266	51	141
Influenza A	51 (87.9)	118(86.8)	222(83.5)	35(68.6)	126(89.1)
A(H3)	2(3.9)	11(9.3)	77(34.7)	19(54.3)	49(38.8)
A(H1N1)	12(23.5)	31(26.3)	13(5.9)	--	33(26.4)
A(NS)*	37(72.6)	76(64.4)	132(59.4)	16(45.7)	44(34.8)
Influenza B	7 (12.1)	18(13.2)	44(16.5)	16(31.4)	15(10.9)
B (Victoria)	--	--	--	--	0
B (Yamagata)	--	--	10(22.7)	--	2(13)
B (LND)*	7(100)	18(100)	34(77.3)	16(100)	13(87)

*NS - not subtyped

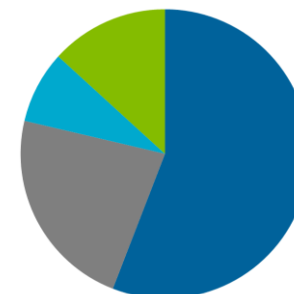
*LND - lineage not determined

Nationally, the influenza season begins with MMWR week 40 and ends with MMWR week 39. The 2018-19 influenza season began on September 30, 2018 and will end on September 28, 2019.

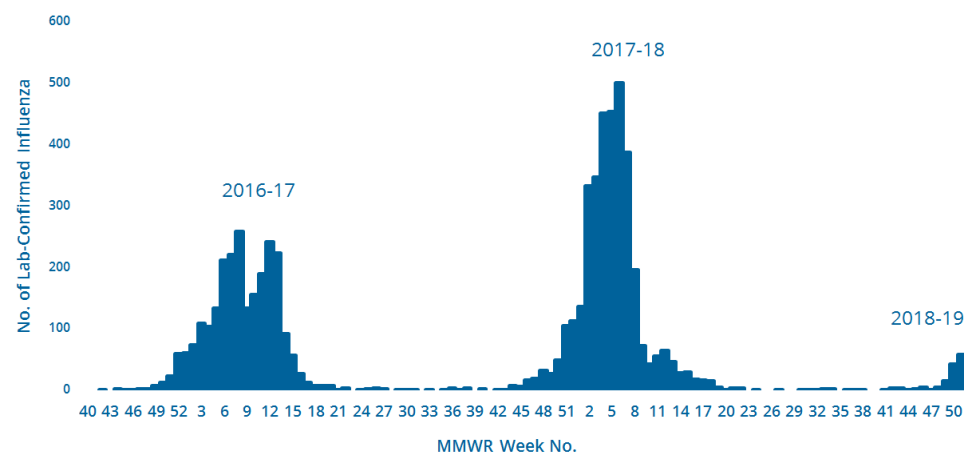
Week ending 12/22



Cumulative



■ A not subtyped ■ A(H1N1) ■ A (H3) ■ B (lineage not determined) ■ B (YAM) ■ B (VIC)



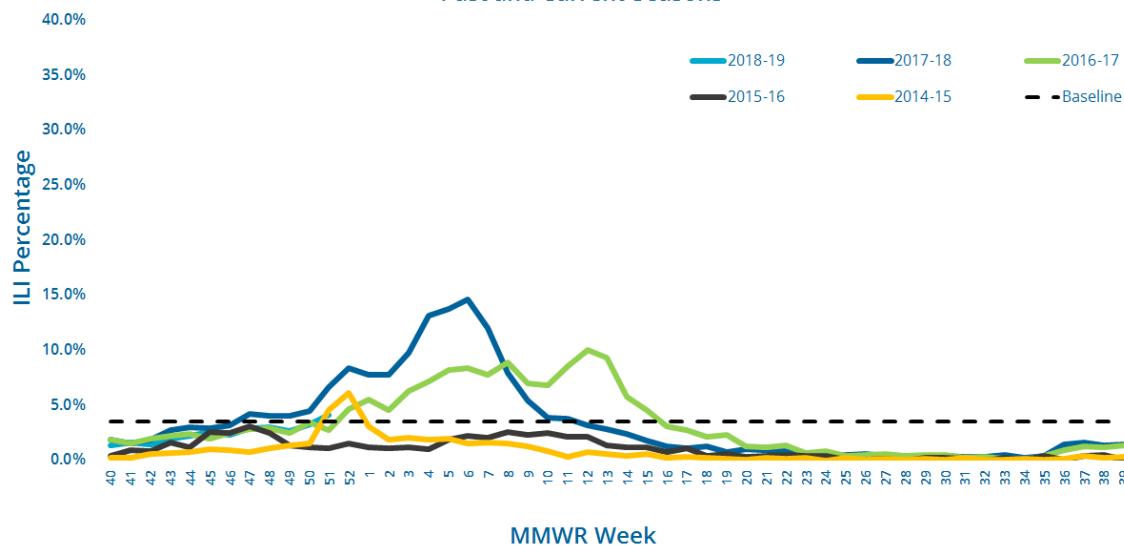
Influenza-Like Illness Surveillance

This week, the ILI activity level was **high** and **4.14%** of patient visits to SC ILINet providers was attributed to an influenza-like illness. This is **above** the state baseline, **3.53%**.

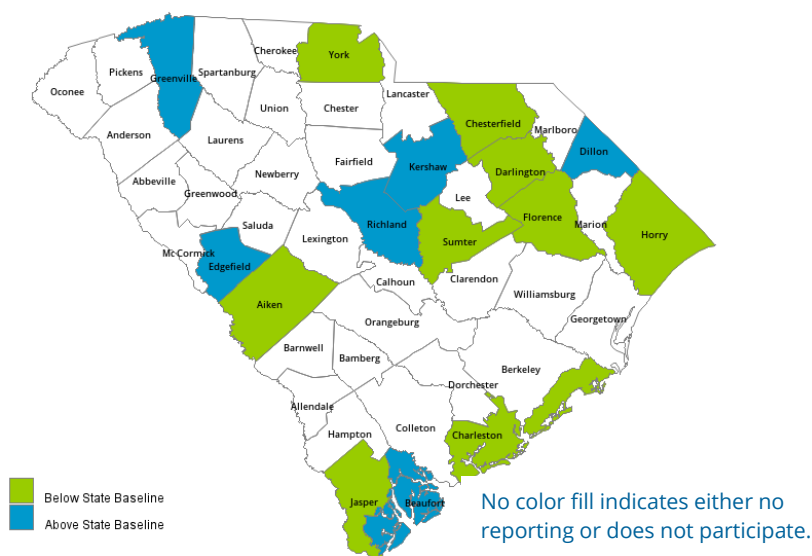
Reports were received from providers in 15 counties, representing all DHEC Public Health regions.

ILI percentage is dependent upon the number of reporting providers and/or can vary by disease activity or the number of providers submitting reports.

Percentage of Influenza-like Illness (ILI) Visits Reported by Sentinel Providers for Past and Current Seasons



County ILI Percent



State ILI Activity Level 2018-19 Calendar by Week of the Year

OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
40	44	48	1	5	9	14	18	22	27	31	36
41	45	49	2	6	10	15	19	23	28	32	37
42	46	50	3	7	11	16	20	24	29	33	38
43	47	51	4	8	12	17	21	25	30	34	39
		52			13			26		35	

ILI ACTIVITY LEVELS: MINIMAL LOW MODERATE HIGH

Influenza-Associated Hospitalizations And Deaths

Hospitalizations No. (Rate)	Overall	Ages 0-4	Ages 5-17	Ages 18-49	Ages 50-64	Ages 65+
This Week	43(0.9)	6(2.0)	2(0.3)	6(0.3)	12(1.2)	17(2.0)
2018-19	227(4.5)	17(5.8)	10(1.2)	39(1.9)	63(6.3)	98(11.3)
2017-18	398(7.9)	21(7.2)	22(2.7)	58(2.8)	77(7.7)	220(25.4)
2016-17	126(2.5)	8(2.7)	4(0.5)	22(1.1)	32(3.2)	60(7.2)
5 season average	365(7.5)	31(10.5)	23(2.9)	67(3.3)	83(8.5)	161(20.4)

Deaths No. (Rate)	Overall	Ages 0-4	Ages 5-17	Ages 18-49	Ages 50-64	Ages 65+
This Week	--	--	--	--	--	--
2018-19	11(0.2)	1(0.3)	--	1(0.0)	4(0.4)	5(0.6)
2017-18	15(0.3)	--	--	--	1(0.1)	14(1.6)
2016-17	3(0.1)	--	--	1(0.0)	--	2(0.2)
5 season average	10(0.2)	0	0	1(0.0)	2(0.2)	7(0.9)

Influenza-Associated Deaths by Region

